Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/14/2021 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124848	-1	2.37	124744	2.37
Blue	F	SSC	125000	122732	-2	3.95	123182	3.92
Blue	E	FITC	14400	13897	-4	2.92	319	15.09
Blue	D	PE	24713	24370	-2	2.46	557	10.91
Blue	B	PerCP-Cy5-5	31796	31158	-3	3.62	1029	14.68
Blue	A	PE-Cy7	21240	21032	-1	5.67	564	28.98
Red	C	APC	41319	40964	-1	3.21	1719	11.21
Red	A	APC-Cy7	21019	20594	-3	3.55	773	11.44
Violet	B	V450	7305	6906	-6	3.78	419	12.18
Violet	A	V500	28652	27161	-6	3.37	680	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23331	2.52	566	-3	N/A	N/A	Pass
Blue	F	SSC	56981	2.69	518	6	N/A	N/A	Pass
Blue	E	FITC	58	50.63	492	1	0.0422	0	Pass
Blue	D	PE	117	35.73	490	3	0.3738	236	Pass
Blue	B	PerCP-Cy5-5	192	35.97	588	4	0.0199	74	Pass
Blue	A	PE-Cy7	111	67.56	635	5	0.0222	0	Pass
Red	C	APC	396	22.77	575	2	0.0288	103	Pass
Red	A	APC-Cy7	173	26.58	546	1	0.0066	913	Pass
Violet	B	V450	60	58.33	456	0	0.0617	1883	Pass
Violet	A	V500	98	34.10	470	0	0.0262	835	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.99	-31.70	0.99
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.44	15.99 - 23.99	N/A	N/A	30.18	30.31	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15993

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments